

ABSTRACT OF THE DISCLOSURE

A flat panel display which can adjust a white balance to a proper level without changing the sizes of driving TFT active layers, even when an identical driving voltage is applied. The flat panel display also can obtain an appropriate luminance and prevent a reduction of its life span by supplying an optimal amount of current to each sub-pixel. The flat panel display includes a plurality of pixels. Each of the pixels includes a plurality of sub-pixels. Each sub-pixel having a self-luminescent element and driving thin film transistors. Each of the driving thin film transistors has a semiconductor active layer with at least a channel region connected to each of the self-luminescent elements to supply current to each of the self-luminescent elements. The channel regions of the semiconductor active layers are arranged in different directions in at least two sub-pixels.